

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Math Journal

## Module 2

### Lessons 1 - 29

**Read:**

The top surface of a desk has a length of 5.6 feet. The length is 4 times its width. What is the width of the desk?

**Draw:****Write:**

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**Read:**

Jonas practices guitar 1 hour a day for 2 years. Bradley practices the guitar 2 hours a day more than Jonas. How many more minutes does Bradley practice the guitar than Jonas over the course of 2 years?

**Draw:****Write:**

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**Read:**

Robin is 11 years old. Her mother, Gwen, is 2 years more than 3 times Robin's age. How old is Gwen?

**Draw:**

**Write:**

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**Read:**

Jaxon earned \$39 raking leaves. His brother, Dayawn, earned 7 times as much waiting on tables. Write a numerical expression to show Dayawn's earnings. How much money did Dayawn earn?

**Draw:****Write:**

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**Read:**

Aneisha is setting up a play space for her new puppy. She will be building a rectangular fence around part of her yard that measures 29 feet by 12 feet. How many square feet of play space will her new puppy have? If you have time, solve in more than one way.

**Draw:****Write:**

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**Read:**

Scientists are creating a material that may replace damaged cartilage in human joints. This hydrogel can stretch to 21 times its original length. If a strip of hydrogel measures 3.2 cm, what would its length be when stretched to capacity?

**Draw:****Write:**

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**Read:**

The length of a school bus is 12.6 meters. If 9 school buses park end-to-end with 2 meters between each one, what's the total length from the front of the first bus to the end of the last bus?

**Draw:****Write:**

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**Read:**

Erin and Frannie entered a rug design contest. The rules stated that the rug's dimensions must be 32 inches  $\times$  45 inches and that they must be rectangular. They drew the following for their entries. Show at least three other designs they could have entered in the contest. Calculate the area of each section, and the total area of the rugs.

**Draw:**

Show at least three other designs they could have entered in the contest.

**Write:**

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**Read:**

The fifth-grade craft club is making aprons to sell. Each apron takes 1.25 yards of fabric that costs \$3 per yard and 4.5 yards of trim that costs \$2 per yard. What does it cost the club to make one apron? If the club wants to make \$1.75 profit on each apron, how much should they charge per apron?

**Draw:****Write:**

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**Read:**

Mr. Mohr wants to build a rectangular patio using concrete tiles that are 12 square inches. The patio will measure 13.5 feet by 43 feet.

What is the area of the patio? How many concrete tiles will he need to complete the patio?

**Draw:****Write:**

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**Read:**

Thirty-two cyclists make a seven-day trip. Each cyclist requires 8.33 kilograms of food for the entire trip. If each cyclist wants to eat an equal amount of food each day, how many kilograms of food will the group be carrying at the end of Day 5?

**Draw:****Write:**

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**Read:**

Draw and label a tape diagram to represent each of the following:

Express 1 day as a fraction of 1 week.

Express 1 foot as a fraction of 1 yard.

Express 1 quart as a fraction of 1 gallon.

**Draw:**

Draw and label a tape diagram to represent each.

**Write:**

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**Read:**

The area of a rectangular vegetable garden is 200 ft squared. The width is 10 ft. What is the length of the vegetable garden?

**Draw:****Write:**

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**Read:**

852 pounds of grapes were packed equally into 3 boxes for shipping.

How many pounds of grapes were there in 2 boxes?

**Draw:****Write:**

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**Read:**

Sandra bought 38 DVD movies for \$874. Give an estimate of the cost of each DVD movie.

**Draw:****Write:**

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**Read:**

At the Highland Falls pumpkin-growing contest, the prize winning pumpkin contains 360 seeds. The proud farmer plans to sell his seeds in packs of 12. How many packs can he make using all the seeds?

**Draw:****Write:**

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**Read:**

Billy has 2.4 m of ribbon for crafts. He wants to share it evenly with 12 friends. How many centimeters of ribbon would 7 friends get?

**Draw:****Write:**

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**Read:**

105 students were divided equally into 15 teams.

How many players were on each team?

If each team had 3 girls, how many boys were there altogether?

**Draw:**

**Write:**

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**Read:**

Zenin's baby sister weighed 132 ounces at birth. How much did his sister weigh in pounds and ounces?

**Draw:****Write:**

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**Read:**

The rectangular room measures 224 square feet. One side of the room is 14 feet long. What is the perimeter of the room?

**Draw:****Write:**

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**Read:**

A long-time runner compiled her training distances in the following chart. Fill in the missing values.

**Draw:****Runner's Log**

Total Number of Miles Run	Number of Days	Miles Run Each Day
420		12
14.5	5	
38.0	10	
	17	16.5

**Write:**

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**Read:**

Ms. Heinz spent 12 dollars on 30 bus tokens for the field trip. What was the cost of 12 tokens?

**Draw:****Write:**

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**Read:**

Find the whole number quotient and remainder of the following two expressions:

$$201 \div 12$$

$$729 \div 45$$

**Draw:**

$$201 \div 12 \quad \underline{\hspace{1cm}} \quad 729 \div 45$$

**Write:**

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**Read:**

Michael has 567 pennies, Jorge has 464 pennies, and Jaime has 661 pennies. If the pennies are shared equally by the 3 boys and 33 of their classmates, how much money will each classmate receive? Express your final answer in dollars.

**Draw:****Write:**

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**Read:**

A one-year (52-week) subscription to a weekly magazine is \$39.95. Greg calculates that he would save \$219.53 if he subscribed to the magazine instead of purchasing it each week at the store. What is the price of the individual magazine at the store?

**Draw:****Write:**

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